This listing of the abstract will replace all prior versions of the abstract in the application. Page 40, change paragraph as follows:

ABSTRACT

Methods and systems for ~~providing~~ cleaning and providing barrier coatings to interior walls ~~surfaces of small diameter metal and composite~~ piping systems ~~in buildings~~. An entire piping system can be cleaned in one single pass by dry particulates forced by air ~~throughout the building piping system by an external generator,~~ and the ~~entire~~ piping system ~~can be~~ coated in one single pass ~~by a machine also connected exterior to the piping system~~. ~~Small diameter p~~Pipes can be protected ~~by the effects of~~ from water corrosion, erosion and electrolysis~~, extending the life of small diameter piping systems such as copper, steel, lead, brass, cast iron piping and piping systems made of composite materials. The invention meets the National Sanitation Foundation standard for products and services that come into contact with potable water, and the American Water Works Association. Coatings can be applied to p~~Pipes having diameters of approximately 3/8" up to approximately 6"are treatable. ~~so that entire p~~Piping systems such as potable water lines, natural gas lines, HVAC ~~piping systems~~, drains ~~lines~~, and fire sprinkler systems in ~~buildings such as single family~~ homes, ~~to smaller walk up style~~ apartments, ~~to multi floor concrete~~ high-rise hotel/resorts, ~~facilities and~~ office towers, ~~as well as~~ high-rise apartment and condominiums ~~buildings~~ and schools, can be treated.~~cleaned and coated to pipes within existing walls~~. The ~~barrier~~ coating forms an approximately 4 mils or greater covering ~~to the~~ inside ~~of~~ the pipes. ~~Entire b~~Buildings can return to service within approximately 24 to approximately 96 hours ~~depending on the size of the building piping system~~.